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**ATTORNEY DOCKET: 2003309-0027 (Agilent 10001492-1)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Sampson
Serial No: 10/052,926
Filed: January 16, 2002
For: SYNTHESIS AND AMPLIFICATION OF UNSTRUCTURED NUCLEIC
ACIDS FOR RAPID SEQUENCING

Art Unit: Not yet assigned
Examiner: Not yet assigned

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

TRANSMITTAL

Enclosed please find the following documents regarding the above-referenced matter:

- 1) Statement Filed Pursuant to the Duty of Disclosure Under 37 C.F.R. §1.56,
1.97;
- 2) PTO-1449;
- 3) Cited Art; and
- 4) Return Postcard.

Please charge any fees or credit any overpayments to our Deposit Account No. 03-1721.

Respectfully submitted,

Date: 4/16/2002

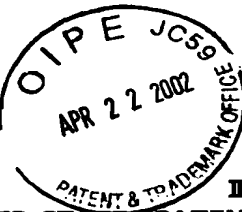
Brenda Herschbach Jarrell, Ph.D.
Reg. No.39,223

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Serial No.: 10/052,926
3387194_1.DOC

I hereby certify that this correspondence is being
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Commissioner For Patents, Washington, D.C. 20231
on APR 17, 2002

AGILENT TECHNOLOGIES,
Legal Department, DL429
Intellectual Property Administration
P. O. Box 7599
Loveland, Colorado 80537-0599



PATENT APPLICATION

ATTORNEY DOCKET NO. 10001492-1

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jeffrey R. Sampson

Serial No.: 10/052,926

Examiner:

Filing Date: Jan 16, 2002

Group Art Unit:

Title: Synthesis and Amplification of Unstructured Nucleic Acids for Rapid Sequencing

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- () under 37 CFR 1.97(c) together with either a:
() Statement under 37 CFR 1.97(e), or
() a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- () under 37 CFR 1.97 (d) together with a:
() Statement under 37 CFR 1.97(e), and
() a petition under 37 CFR 1.97(d)(2), and
() a \$130.00 petition fee set forth in 37 CFR 1.17(i).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no.

Date of Deposit

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By Sam M. A.

Typed Name:

Respectfully submitted,

Jeffrey R. Sampson

By Brenda Hersenbach Jarrell

Brenda Hersenbach Jarrell

Attorney/Agent for Applicant(s)

Reg. No. **39,223**

Date:

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001492-1

SERIAL NO.

10,052,926

APPLICANT

Jeffrey R. Sampson

FILING DATE

Jan 16, 2002

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
|---------------------|----|--------------------|----------|------------------|-------|--------------|
| | 1A | 6,015,714 | 01/18/00 | Baldarelli et al | 436 | 2 |
| | 1B | 5,854,033 | 12/29/98 | Lizardi | 435 | 91.2 |
| | 1C | 5,795,782 | 08/18/98 | Church et al. | 436 | 2 |
| | 1D | 5,714,320 | 02/03/98 | Kool | 435 | 6 |
| | 1E | | | | | |
| | 1F | | | | | |
| | 1G | | | | | |
| | 1H | | | | | |
| | 1I | | | | | |
| | 1J | | | | | |
| | 1K | | | | | |

FOREIGN PATENT DOCUMENTS

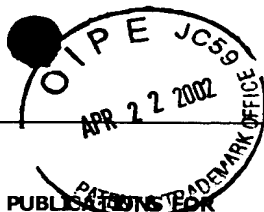
| | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRANSLATION | |
|--|----|--------------------|----------|---------------|-------|--------------|-------------|----|
| | | | | | | | YES | NO |
| | 1L | WO 99/18241 | 04/15/99 | Lizardi, P. | | | | |
| | 1M | WO 98/32751 | 07/30/98 | Vries, et al. | | | | |
| | 1N | WO 92/17484 | 10/15/92 | Kool, et al. | | | | |
| | 1O | | | | | | | |
| | 1P | | | | | | | |

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

| | |
|----|--|
| 1Q | Kanaya, et al., "Template-Directed Polymerization of Oligoadenylates Using Cyanogen Bromide", Biochemistry, 25:7423-7430, 1986. |
| 1R | Kasianowicz, et al., "Characterization of Individual Polynucleotide Molecules Using a Membrane Channel", Proc. Natl. Acad. Sci, USA, 93:13770-13773, 1996. |
| 1S | Prakash, et al., "Structural Effects in Recognition of DNA by Circular Oligonucleotides", J. Am Chem. Soc., 114:3523-3527, 1992. |

EXAMINER

DATE CONSIDERED

**PATENT APPLICATION**

Sheet 2 of 2

FORM PTO-1449

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001492-1

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10/052,926

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Jeffrey R. Sampson

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Jan 16, 2002

GROUP

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
|---------------------|----|--------------------|------|------|-------|--------------|
| | 2A | | | | | |
| | 2B | | | | | |
| | 2C | | | | | |
| | 2D | | | | | |
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| | 2K | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRANSLATION | |
|--|----|--------------------|------|------|-------|--------------|-------------|----|
| | | | | | | | YES | NO |
| | 2L | | | | | | | |
| | 2M | | | | | | | |
| | 2N | | | | | | | |
| | 2O | | | | | | | |
| | 2P | | | | | | | |

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|--|----|--|
| | 2Q | Tessier, et al., "Ligation of Single-Stranded Oligodeoxynucleotides by T4 RNA Ligase", Analytical Biochemistry, 158:171-178, 1986. |
| | 2R | |
| | 2S | |

EXAMINER

DATE CONSIDERED